

Title (en)

HUNG MASS ACCELEROMETER WITH DIFFERENTIAL EDDY CURRENT SENSING

Title (de)

HÄNGEMASSENBSCHLEUNIGUNGSMESSER MIT DIFFERENTIELLER WIRBELSTROMMESSUNG

Title (fr)

ACCÉLÉROMÈTRE DE MASSE SUSPENDUE AVEC DÉTECTION DIFFÉRENTIELLE À COURANTS DE FOUCAULT

Publication

EP 2932275 A1 20151021 (EN)

Application

EP 13765594 A 20130910

Priority

- US 201213712290 A 20121212
- US 2013058980 W 20130910

Abstract (en)

[origin: US2014157897A1] A new class of accelerometer uses a differential Eddy current sensor to sense the displacement of the proof mass. This accelerometer can provide improved performance in an open-loop configuration based on the thermal stability and improved linearity of the differential Eddy current sensor. The accelerometer may provide lower cost alternatives to commercial grade accelerometers and lower cost and higher reliability alternatives to strategic grade accelerometers.

IPC 8 full level

G01P 15/00 (2006.01); **G01P 15/11** (2006.01); **G01P 15/13** (2006.01)

CPC (source: EP US)

G01P 15/005 (2013.01 - EP US); **G01P 15/11** (2013.01 - EP US); **G01P 15/132** (2013.01 - EP US)

Citation (search report)

See references of WO 2014092825A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2014157897 A1 20140612; **US 9121865 B2 20150901**; EP 2932275 A1 20151021; EP 2932275 B1 20170118; IL 239265 A0 20150730; WO 2014092825 A1 20140619

DOCDB simple family (application)

US 201213712290 A 20121212; EP 13765594 A 20130910; IL 23926515 A 20150607; US 2013058980 W 20130910